

MDF LIGHT CARB2/TSCA

Light medium density fiberboard for use in dry conditions

DESCRIPTION

Sonae Arauco MDF LIGHT CARB2/TSCA is a medium density fiberboard produced according EN 13986 / EN 662-5 (type L-MDF) with improved weight for non-structural interior applications in dry conditions.

MDF LIGHT CARB2/TSCA has low formaldehyde emission, is certified according to the rules of the official California Air Resource Board (CARB) and compliant with limit of ChemVerbotsV (E05).

Regarding reaction to fire and according to EN 13986, MDF LIGHT CARB2/TSCA with a thickness ≥ 9 mm and a minimum density of 600 Kg/m³, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to the technical performance, MDF LIGHT CARB2/TSCA panels are sustainable and environmental friendly products.

Please check offer & service brochure for information on sizes and thicknesses available.

APPLICATIONS

MDF LIGHT CARB2/TSCA is recommended for the manufacture of frames and profiles for furniture, panels, doors and interior decoration.

The product has a homogeneous surface combined with an optimised weight, making it particularly suitable for lightweight constructions.

RECOMMENDATIONS

Boards must be stacked on a hard, level surface and protected from direct contact with water. Expansion and contraction in wood products is directly related to moisture content and must be considered during design and construction.

Wood based panels are biodegradable and can be recycled, follow local regulation for the disposal of residues.

PROPERTIES



VERSATILITY



EASY TO MILL



LIGHT



EPA TSCA TITLE VI & CARB 2 CERTIFIED



COMPLIANT WITH CHEMVERBOTSV



FURNITURE



PANELING



OFFICES & EDUCATION



RESTAURANTS & HOTELS



HEALTH & WELLNESS



RETAIL & EXHIBITIONS



DOORS

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 40
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,2	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 40
Density*	EN 323	Kg/m ³	630	610	600	600	600
Bending strength	EN 310	N/mm ²	≥ 20	≥ 20	≥ 18	≥ 15	≥ 14
Modulus of elasticity	EN 310	N/mm ²	≥ 1700	≥ 1700	≥ 1600	≥ 1500	≥ 1400
Internal bond	EN 319	N/mm ²	≥ 0,45	≥ 0,45	≥ 0,45	≥ 0,45	≥ 0,40
Thickness swelling 24 hours	EN 317	%	≤ 20	≤ 16	≤ 14	≤ 12	≤ 11
Formaldehyde emission class	CARB Phase 2 / EPA TSCA **						

* Value to be used only as a reference

**Compliant with limit of ChemVerbotsV (E05)

MDF LIGHT CARB2/TSCA meets the specification of EN 622-5, type L-MDF, and is CE marked. For more information regarding the technical properties, please check the product Declaration of Performance (DoP).

CERTIFICATIONS

Please pay attention to certified products:



The mark of responsible forestry
FSC® C009049



Promoting Sustainable Forest Management
www.pefc.org



FSC® and PEFC™ -certified products are available on request and availability.

www.sonaearauco.com

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